

TABLE 28

Federal obligations for basic research, by detailed field of R&D: FYs 2021–22

(Dollars in thousands)

Field	2021	2022 (preliminary)
All fields	42,494,145	43,790,457
Computer and information sciences	2,264,158	2,383,428
Geosciences, atmospheric sciences, and ocean sciences	1,772,255	3,567,880
Atmospheric science and meteorology	561,043	NA
Geological and earth sciences	314,811	NA
Ocean sciences and marine sciences	489,358	NA
Other geosciences, atmospheric sciences, and ocean sciences	407,044	NA
Life sciences	19,008,170	19,188,161
Agricultural sciences	587,420	NA
Biological and biomedical sciences	9,766,823	NA
Health sciences	6,832,015	NA
Natural resources and conservation	32,116	NA
Other life sciences	1,789,795	NA
Mathematics and statistics	503,181	535,798
Physical sciences	6,432,049	8,737,145
Astronomy and astrophysics	307,022	NA
Chemistry	792,064	NA
Materials science	337,081	NA
Physics	2,530,622	NA
Other physical sciences	2,465,259	NA
Psychology	1,934,423	1,929,607
Biological aspects	13,496	NA
Social aspects	16,755	NA
Other psychological sciences	1,904,172	NA
Social sciences	537,330	541,744
Anthropology	22,026	NA
Economics	52,556	NA
Political science and government	1,235	NA
Sociology, demography, and population studies	43,042	NA
Other social sciences	418,470	NA
Engineering	3,151,032	3,231,480
Aerospace, aeronautical, and astronautical engineering	208,895	NA
Bioengineering and biomedical engineering	26,603	NA
Chemical engineering	121,281	NA
Civil engineering	70,027	NA
Electrical, electronics, and communications engineering	199,814	NA
Industrial and manufacturing engineering	40,752	NA
Mechanical engineering	114,059	NA
Metallurgical and materials engineering	238,474	NA
Other engineering	2,131,128	NA
Other fields	6,891,548	3,675,215
Business management and business administration	33,687	NA
Communication and communications technologies	0	NA
Education research	359,764	NA
Humanities	*	NA
Law	6,570	NA
Social work	0	NA
Visual and performing arts	0	NA
All other fields	6,491,493	NA

* = amount greater than \$0 but less than \$50,000.

NA = not available; data were not collected at that level for that fiscal year.

Note(s):

Because of rounding, detail may not add to total. FYs 2021 and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.